



# Plantation Road Transportation Alternatives Program Application

Board of Supervisors Work Session  
January 8, 2013

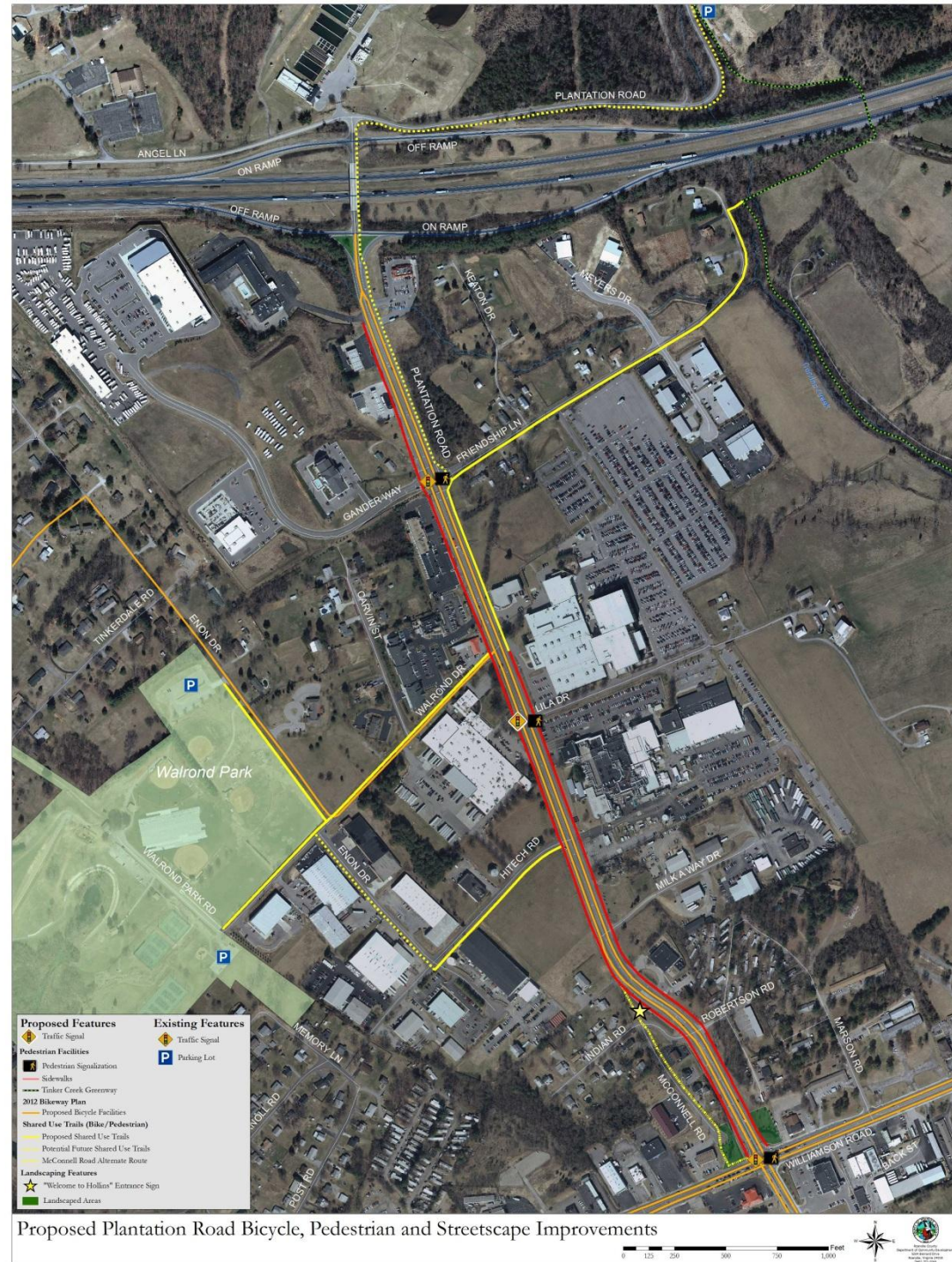




# Plantation Road Bicycle, Pedestrian and Streetscape Improvement Project

## Project Goals:

- Provide pedestrian accommodations;
- Provide bicycle accommodations;
- Connect existing and planned recreational facilities;
- Improve streetscape;
- Enhance gateways and nodes;
- Consider mass transit opportunities; and
- Consider access management changes.



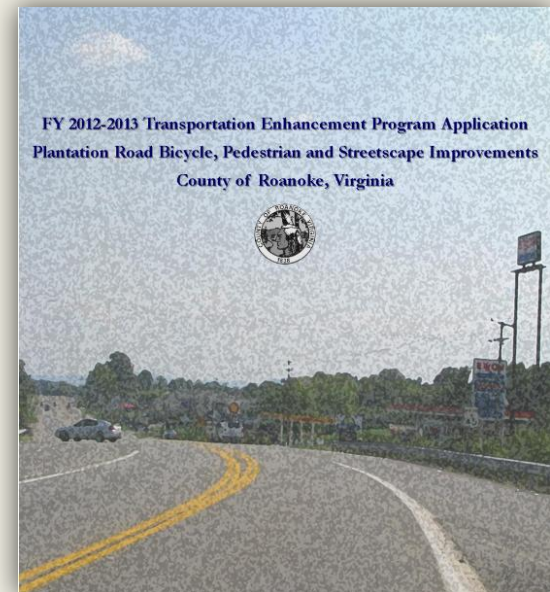
# Progress Since Last Application (November, 2011)

## ***COMPLETED:***

1. Hollins University segment of the Tinker Creek Greenway to Carvins Cove Natural Reserve
2. Privately-sponsored landscaping additions at Williamson Road intersection
3. Plantation Road Corridor Study
4. Lila Drive Signal Analysis
5. Plantation Road Surveying

## ***UNDERWAY:***

1. Consultant hiring for project design, engineering, outreach
2. Pedestrian signal and crosswalk installation
  - Williamson Road intersection
  - Gander Way/Friendship Lane intersection





# Hollins University segment of the Tinker Creek Greenway

- The 2.5 mile, natural surface greenway was constructed by the Pathfinders for Greenways and connects to over 40 miles of trails at Carvins Cove Natural Reserve and will ultimately connect to the Roanoke River Greenway; and
- A greenway parking lot has been designed and built by Roanoke County staff.



Roanoke County Community Development





# Williamson Road/Plantation Road Landscaping Project

- Permitted through the VDOT Comprehensive Roadside Management Program;
- Press Conference held June 21, 2012, to unveil the signs and landscaping;
- Friendship Retirement Community is funding landscaping installation and maintenance for five years; and
- The Williamson Road Area Business Association (WRABA) is contracting the landscaping and maintenance activities.



# Plantation Road Corridor Study

- Completed by Kimley-Horn and Associates, Inc. for VDOT at no cost to Roanoke County
- Crash data indicates two problem areas:
  - McDonald's/Days Inn/Exxon (11 crashes in 30 months)
  - Lila Drive (7 crashes in 30 months)
- Traffic signal warrants:
  - Lila Drive
  - Interstate 81 Southbound On- and Off-Ramps
  - Walrond Drive



## Lila Drive Traffic Signal

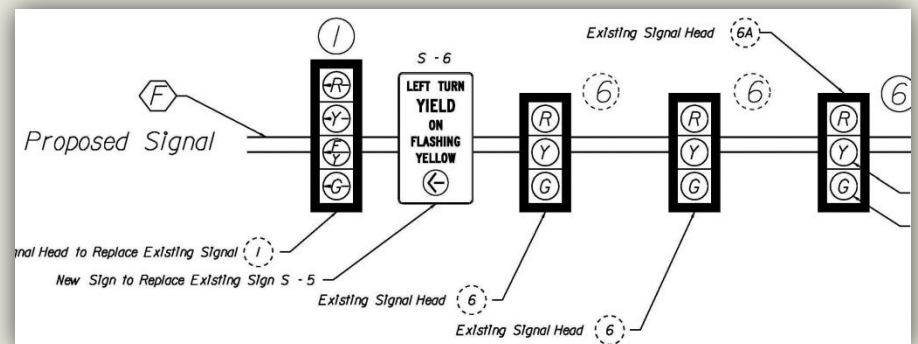
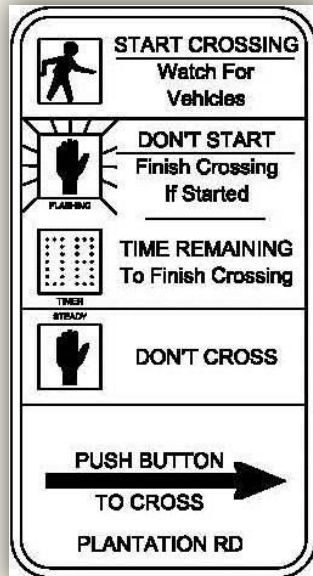
- A traffic signal with pedestrian facilities is warranted today and its location has been approved by VDOT;
- The signal would serve ITT Exelis, Wells Fargo and BSC Ventures;
- Entrance realignments and access management changes would be needed; and
- The signal must be privately funded to serve a private road.





# Pedestrian Accommodations

- Williamson Road Intersection
  - Four-Legged Crosswalk
  - Push-button, count-down walk signals
- Gander Way/Friendship Lane Intersection
  - Two-Legged Crosswalk (other two to be installed with shared use path)
  - Push-button, count-down walk signals
  - Two flashing, yellow arrow left turn signals



# Plantation Road Bicycle, Pedestrian and Streetscape Improvement Project

## Funding Status



Federal SAFETEA-LU Program (Transportation Enhancement Program through VDOT, 80/20 Match):

- Award of \$341,000 announced in June + \$85,250 (20% local match) = **\$426,250**
- SAFETEA-LU Transportation Enhancement Program



*Federal Legislation enacted in July*

MAP-21 Transportation Alternatives Program

MAP-21 requirements similar to SAFETEA-LU:

- 80/20 match
- Funding through Commonwealth Transportation Board
- Additional funding component through Metropolitan Planning Organizations (MPOs) designated as Transportation Management Areas (TMAs) with a population greater than 200,000 (RVAMPO is one of four state TMAs)
- Revised eligible activities (eliminated acquisition of scenic easements and scenic or historic sites; transportation museums)
- Eliminated requirement to fund at least 50% of request





# Plantation Road Bicycle, Pedestrian and Streetscape Improvement Project

## Funding Status



### VDOT Revenue Sharing Program (50/50 Match)

- FY 2011 Funding (**\$55,308**) – Plantation Road surveying is complete; negotiating with the selected consultant for design of the entire project
- FY 2012 Funding (**\$100,000**) – Pedestrian signalization for Williamson Road and Gander Way/Friendship Lane traffic signals has been designed by VDOT and construction is anticipated in early 2013
- Additional balances transferred from other Revenue Sharing projects – **\$1,511,533**

### Private Contributions



- Friendship Retirement Community/Williamson Road Area Business Association 2012 Landscaping (**\$4,596**) – Installed additional landscaping at Williamson Road and Plantation Road; five-year maintenance commitment



# Plantation Road Bicycle, Pedestrian and Streetscape Improvement Project

## Project Funding Totals

Amount	Funding Source
\$55,308	FY 11 VDOT Revenue Sharing and Match
\$100,000	FY 12 VDOT Revenue Sharing and Match
\$1,511,533	Additional Revenue Sharing Transferred Balances
\$426,250	FY 13 Transportation Enhancement Award and Match
\$4,596	Friendship Retirement Community Private Contribution
<b>\$2,097,687</b>	<b>Grand Total Secured and Expected Funds</b>





# Plantation Road Bicycle, Pedestrian and Streetscape Improvement Project

## Funding by Phase



### *Funded Projects:*

- Engineering/Design Fees, Surveying Fees, Pedestrian Signalization at Williamson Road and Gander Way/Friendship Lane, Williamson/Plantation Landscaping

**Estimate \$354,596**



### *Phase 1 (Funded by FY 2013 Transportation Enhancement Program):*

- Landscaped Medians, Shared Use Paths off Plantation Road, Pedestrian Crossings, Entrance Landscaping, Welcome Sign

**Estimate \$426,298**



### *Phase 2 (Requesting FY 2014 Transportation Alternatives Program Funding):*

- Sidewalks with Landscaped Strips/Street Trees/Pedestrian Lights, Bicycle Facilities, Shared Use Path along Plantation Road, Drainage Improvements

**Estimate \$2,449,946**

### *Phase 3 (Future Requests):*

- Shared Use Paths along Friendship Lane, McConnell Road, Enon Drive South, Plantation Road North across Interstate 81 (if warranted)

**Estimate \$231,483**

---

**Total Project Cost \$3,462,323**



# Plantation Road Bicycle, Pedestrian and Streetscape Improvement Project

## Phase 2 Funding

### *Phase 2 Request for FY 2014 Transportation Alternatives Program Funding:*

- Sidewalks with Landscaped Strips/Street Trees/Pedestrian Lights, Bicycle Facilities, Shared Use Path along Plantation Road, Drainage Improvements

**Estimate \$2,449,946**

- \$1,316,841 VDOT Revenue Sharing Funds

---

\$1,133,105 Phase 2 Remaining Cost

- \$282,395 Required 20% Local Match

---

**\$850,710 FY 14 Transportation Alternatives Request**

### *Phase 2 Match Funding:*

\$282,395 Required 20% Local Match

- \$32,500 Roanoke County In-Kind Contribution (staff time, inspections)

- \$218,171 Potential Right-of-Way Donation Value

---

**\$31,724 Remaining Match Funding Needed**





# Outreach

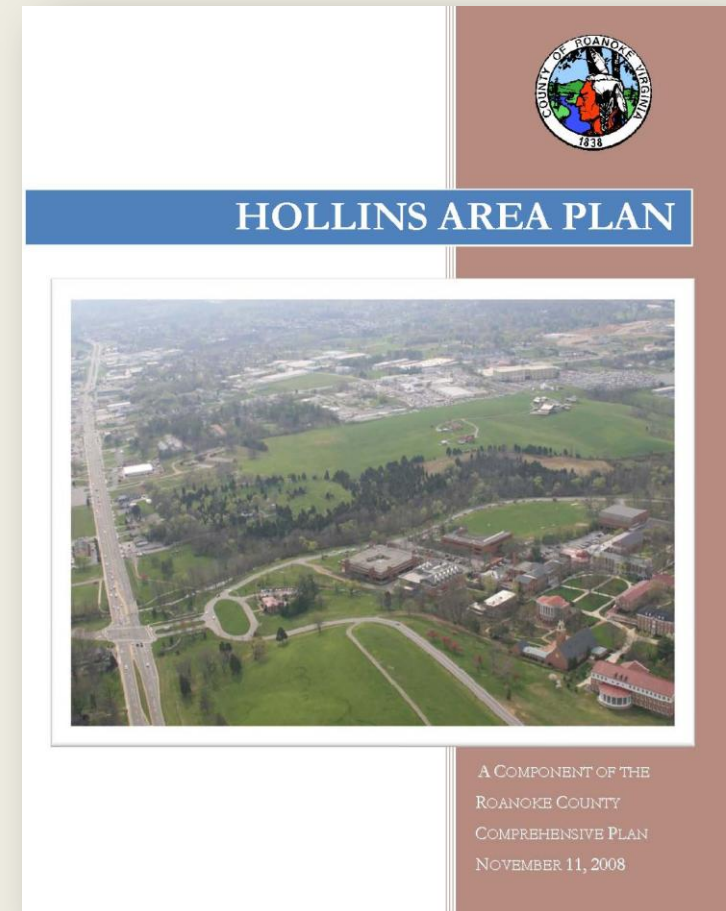
- Hollins Area Plan [Website](#) with implementation efforts
- Hollins Area Plan Update Newsletter
- Plantation Road Bicycle, Pedestrian and Streetscape Improvement [Website](#)
- Plantation Road Update [E-Newsletter](#)
- Community Developments [E-Newsletter](#)
- Meetings with Plantation businesses and area organizations



# Hollins Area Plan

Remember, it's all part of the *Plan*

- 17 Implementation Strategies Total
- 7 underway or ready to begin
- 1 completed





# Questions

